

DEUTSCH | DEUTSCH DT

TE Internal #: DT06-6S-CE01

Housing for Female Terminals, Wire-to-Wire, 6 Position, .359 in [9.12 mm] Centerline, Sealable, Gray, Wire & Cable, Power &

Signal, DEUTSCH DT

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Connectors > Automotive Connectors > Connector Housings > DEUTSCH DT Series Housings & Connectors



Connector & Housing Type: Housing for Female Terminals

Mating Pin Diameter: 1.59 mm [.063 in]

Connector System: Wire-to-Wire

Number of Positions: 6

Centerline (Pitch): 9.12 mm [.359 in]

All DEUTSCH DT Series Housings & Connectors (461)

Features

Product Type Features

Connector & Housing Shape	Rectangular
Connector & Housing Type	Housing for Female Terminals
Connector System	Wire-to-Wire
Sealable	Yes
Hybrid Connector	No
Primary Locking Feature	Integrated in Housing
Connector & Contact Terminates To	Wire & Cable

Configuration Features

Blank Cavity Position	0
Connector Modification	End Cap
Number of Positions	6
Number of Rows	2

Electrical Characteristics

Operating Voltage	250 VAC
Nominal Voltage Architecture	12 V, 24 V, 48 V

Body Features

Cable Exit Angle	180°	



Body Material	PA GF
Primary Product Color	Gray
Contact Features	
Contact Type	Socket
Mating Pin Diameter	1.59 mm[.063 in]
Contact Current Rating (Max)	13 A
Mechanical Attachment	
Mounting Feature	Without
Terminal Position Assurance	Yes
Strain Relief	Add By Accessory
Mating Alignment Type	Polarized
Mating Alignment	With
Connector Mounting Type	Cable Mount (Free-Hanging)
Housing Features	
Centerline (Pitch)	9.12 mm[.359 in]
Dimensions	
Product Width	20.83 mm[.82 in]
Product Length	32.21 mm[1.268 in]
Product Height	24.03 mm[.946 in]
Row-to-Row Spacing	4.45 mm[.175 in]
Accepts Wire Insulation Diameter Range	1.35 – 3.05 mm[.053 – .12 in]
Usage Conditions	
Operating Temperature (Max)	125 °C[257 °F]
Operating Temperature Range	-55 – 125 °C[-67 – 257 °F]
Operation/Application	
Circuit Application	Power & Signal
Industry Standards	
Agency/Standard	SAE J2030
Degree of Protection	IP68, IP6K9K
UL Flammability Rating	12mm Flame Test per Standard UL-94
Packaging Features	



Packaging Quantity	800
Packaging Method	Box
Other	
Serviceable	Yes
Connector Position Assurance Capable	No

Product Compliance

For compliance documentation, visit the product page on TE.com>

EU RoHS Directive 2011/65/EU	Compliant
EU ELV Directive 2000/53/EC	Compliant
China RoHS 2 Directive MIIT Order No 32, 2016	No Restricted Materials Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JAN 2022 (223) Candidate List Declared Against: JAN 2022 (223) Does not contain REACH SVHC
Halogen Content	Not Low Halogen - contains Br or Cl > 900 ppm.
Solder Process Capability	Not reviewed for solder process capability

Product Compliance Disclaimer

This information is provided based on reasonable inquiry of our suppliers and represents our current actual knowledge based on the information they provided. This information is subject to change. The part numbers that TE has identified as EU RoHS compliant have a maximum concentration of 0.1% by weight in homogenous materials for lead, hexavalent chromium, mercury, PBB, PBDE, DBP, BBP, DEHP, DIBP, and 0.01% for cadmium, or qualify for an exemption to these limits as defined in the Annexes of Directive 2011/65/EU (RoHS2). Finished electrical and electronic equipment products will be CE marked as required by Directive 2011/65/EU. Components may not be CE marked. Additionally, the part numbers that TE has identified as EU ELV compliant have a maximum concentration of 0.1% by weight in homogenous materials for lead, hexavalent chromium, and mercury, and 0.01% for cadmium, or qualify for an exemption to these limits as defined in the Annexes of Directive 2000/53/EC (ELV). Regarding the REACH Regulation, the information TE provides on SVHC in articles for this part number is based on the latest European Chemicals Agency (ECHA) 'Guidance on requirements for substances in articles' posted at this URL: https://echa.europa.eu/guidance-documents/guidance-on-reach

Compatible Parts





TE Part # CAT-D48-SP729 DEUTSCH SEALING PLUGS



TE Part # CAT-D487-CH8172 DEUTSCH DT Series Housings & Connectors



TE Part # DT-RT1 EXT TOOL, FRONT RELEASE



TE Part # CAT-D487-H342 DEUTSCH DT HEADERS



TE Part # CAT-D48-SFT273 **DEUTSCH STAMPED & FORMED** CONTACTS



TE Part # 1011-347-0605 DUST CAP, 6P, PLG, BLK, DT



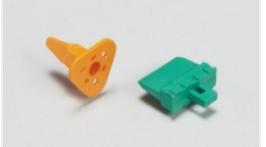
TE Part # CAT-D48-ST273 DEUTSCH SOLID CONTACTS



TE Part # W6S WEDGE LOCK, 6P, PLG, ORG, STD, DT

Also in the Series | DEUTSCH DT





Position Assurance(73)





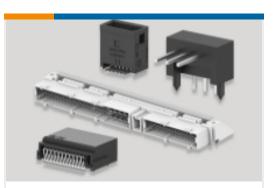
Automotive Seals & Cavity Plugs(4)



Insertion & Extraction Tools(3)



Other Automotive Connector Accessories(14)



PCB Headers & Receptacles(106)

Customers Also Bought



TE Part #DT04-12PA-CE01 DEUTSCH DT Series Housings & Connectors



PLG, 1P, BLK, N, SIZE 8, CAP









Documents

Product Drawings

PLG, 6P, GRY, E, CAP

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_DT06-6S-CE01_B.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_DT06-6S-CE01_B.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_DT06-6S-CE01_B.3d_stp.zip

English

By downloading the CAD file I accept and agree to the **Terms and Conditions** of use.

Datasheets & Catalog Pages

ICT Terminals and Connectors Catalogue

English

CONNECTOR SELECTOR

English

Product Specifications

Application Specification

English

Product Environmental Compliance

Product Compliance

English

Product Compliance

English

Agency Approvals

UL Report

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English